

What is claimed is:

1. A venting device for a structure comprising:
 - a vent housing defining a plurality of flow passages, said flow passages being capable of being in communication with an interior of a structure to be ventilated whereby fluid may pass through the plurality of flow passages between the interior of the structure to be ventilated and an outer atmosphere; and
 - a thin sheet of air permeable, water resistant material located interior to the plurality of flow passages, said air permeable material being disposed such that wind driven precipitation that enters said plurality of flow passages is restricted from passage into said interior of the structure to be ventilated.
2. The venting device as claimed in claim 1, said venting device being adapted for installation on a roof structure whereby said roof structure may be ventilated.
3. The venting device as claimed in claim 1, having a top panel portion and a first ventilating portion said top panel portion and said first ventilating portion being constructed from a corrugated weatherproof sheet material, said corrugated weatherproof sheet material having a pair of generally planar outer plies and an intermediate ply, said intermediate ply defining a multiplicity of generally parallel air passages therein, said venting device having a long axis, said air passages being oriented generally perpendicular to said long axis, said first ventilating portion comprising a plurality of stacked panels of said corrugated weatherproof sheet material generally underlying said top panel.

4. The venting device as claimed in claim 3, said top panel portion having a first bottom surface, said first ventilating portion having a second bottom surface, said air permeable, water resistant material extending from said first bottom surface to said second bottom surface.
5. The venting device as claimed in claim 3, further comprising a second ventilating portion, said second ventilating portion comprising a plurality of stacked layers of said corrugated weatherproof sheet material generally underlying said top panel, said second ventilating portion having a third bottom surface, said air permeable, water resistant material extending from said first bottom surface of said top panel portion to said second and third bottom surfaces of said first and said second ventilating portions.
6. The venting device as claimed in claim 1, said sheet of air permeable water resistant material comprising spun bonded randomly arranged synthetic polymer fibers.
7. The venting device as claimed in claim 4, said air permeable, water resistant material being continuously affixed to said bottom surface of said top panel portion and to said bottom surface of said first ventilating portion.
8. The venting device as claimed in claim 5, said air permeable, water resistant material being continuously affixed to said bottom surface of said top panel portion, to said

bottom surface of said first ventilating portion and to said bottom surface of said second ventilating portion.

9. A venting device for a structure, said structure enclosing an interior space, said venting device comprising:

a thin sheet of air permeable, water resistant material, separating said structure interior space from an outer atmosphere, said air permeable water resistant material being disposed such that precipitation is prevented from entering said structure interior space and drains from said thin sheet of air permeable water resistant material by gravity; and

a top panel portion overlying said air permeable, water resistant material whereby precipitation is prevented from entering said interior space from above.

10. The venting device as claimed in claim 9, further comprising at least one ventilating portion generally underlying said top panel.

11. The venting device as claimed in claim 10, said top panel portion and said at least one ventilating portion being constructed from a corrugated weatherproof sheet material, said corrugated weatherproof sheet material having two outer generally planar plies and an intermediate ply, said intermediate ply defining a multiplicity of generally parallel air passages therein, said venting device having a long axis, said air passages having a multiplicity of inner openings and being oriented generally perpendicular to said long axis.

12 The venting device as claimed in claim 11, said air permeable water resistant material extending from said at least one ventilating portion to said top panel, said air permeable, water resistant material separating said inner openings from said structure interior space.

13. The venting device as claimed in claim 12, said air permeable, water resistant material being disposed directly overlying said inner openings

14. A method of ventilating a structure, the method comprising the steps of:

 defining an interior space in a vent housing, the interior space being communicable with an interior of a structure to be ventilated and with an ambient atmosphere; and

 substantially blocking the entry of precipitation into the interior of the structure to be ventilated by disposing an air permeable, water resistant sheet within the interior space interposed between the interior of the structure to be ventilated and the ambient atmosphere.

15. The method as claimed in claim 14, in which the vent housing is constructed of weatherproof corrugated material.

16. The method as claimed in claim 15, further comprising the step of:

securing the air permeable water resistant material in a tent like configuration such that precipitation accumulating thereupon drains by force of gravity.

17. A precipitation barrier for resisting the entry of precipitation through a ventilator into the interior of a structure to be ventilated, the ventilator comprising a top panel portion constructed of weatherproof corrugated material, the corrugated weatherproof material having two generally planar outer plies and an intermediate ply defining a multiplicity of airflow passages; and at least one ventilating portion constructed of weatherproof corrugated material, the corrugated weatherproof material having two generally planar outer plies and an intermediate ply defining a multiplicity of airflow passages, the ventilating portion being disposed generally underlying said top panel portion in a stacked array, the ventilator portion having an interior side defining interior openings of said airflow passages, the precipitation barrier comprising:

a sheet of air permeable, water resistant material disposed within said ventilator separating said interior openings from said interior of a structure to be ventilated.

18. The precipitation barrier as claimed in claim 17, in which said sheet of air permeable material being disposed such that wind driven precipitation that enters said plurality of flow passages is restricted from passage into said interior of the structure to be ventilated.

19. The precipitation barrier as claimed in claim 17, in which said sheet of air permeable water resistant material is disposed in a configuration such that liquid precipitation drains from said ventilator by gravity.
20. The precipitation barrier as claimed in claim 17, in which said sheet air permeable material is disposed directly overlying said interior openings.
21. The venting device as claimed in claim 17, said sheet of air permeable water resistant material comprising spun bonded randomly arranged synthetic polymer fibers.
22. The venting device as claimed in claim 17, said air permeable, water resistant material being continuously affixed to said bottom surface of said top panel portion and to said bottom surface of said first ventilating portion.
23. The venting device as claimed in claim 17, said air permeable, water resistant material being continuously affixed to said bottom surface of said top panel portion, to said bottom surface of said first ventilating portion and to said bottom surface of said second ventilating portion.
24. A venting device for a structure comprising:
 - a means for venting a structure having vent housing means defining a plurality of flow passages, said flow passages being capable of being in

communication with an interior of a structure to be ventilated whereby fluid may pass through the plurality of flow passages between the interior of the structure to be ventilated and an outer atmosphere; and

means for preventing the intrusion of moisture into the structure having a thin sheet of air permeable, water resistant material located interior to the plurality of flow passages, said air permeable material being disposed such that wind driven precipitation that enters said plurality of flow passages is restricted from passage into said interior of the structure to be ventilated.

25. The venting device as claimed in claim 24, said venting device being adapted for installation on a roof structure whereby said roof structure may be ventilated.

26. The venting device as claimed in claim 24, having a top panel portion and a first ventilating portion said top panel portion and said first ventilating portion being constructed from a corrugated weatherproof sheet material, said corrugated weatherproof sheet material having a pair of generally planar outer plies and an intermediate ply, said intermediate ply defining a multiplicity of generally parallel air passages therein, said venting device having a long axis, said air passages being oriented generally perpendicular to said long axis, said first ventilating portion comprising a plurality of stacked panels of said corrugated weatherproof sheet material generally underlying said top panel.

27. The venting device as claimed in claim 26, said top panel portion having a first bottom surface, said first ventilating portion having a second bottom surface, said air permeable, water resistant material extending from said first bottom surface to said second bottom surface.
28. The venting device as claimed in claim 27, further comprising a second ventilating portion, said second ventilating portion comprising a plurality of stacked layers of said corrugated weatherproof sheet material generally underlying said top panel, said second ventilating portion having a third bottom surface, said air permeable, water resistant material extending from said first bottom surface of said top panel portion to said second and third bottom surfaces of said first and said second ventilating portions.